

**DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION\***

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**TURBOMACHINE**

and for which a patent application:

[X] was filed on April 23, 2004, Application No. 10/830,103

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION				
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
CH 1990/01	Switzerland	30 October 2001	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
			YES <input type="checkbox"/>	NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

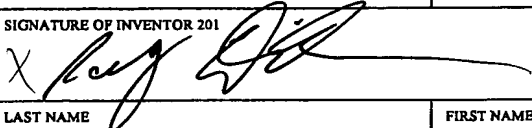
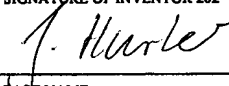


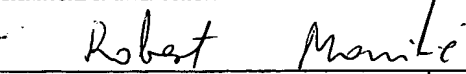
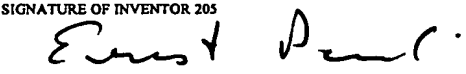
PROVISIONAL APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
PCT/IB02/04289	17 October 2002		X	

\* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME DITTMANN	FIRST NAME Rolf	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Nussbaumen	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	STREET Landstrasse 117	CITY Nussbaumen	STATE OR COUNTRY Switzerland	ZIP CODE CH-5415
	SIGNATURE OF INVENTOR 201 			DATE X 03 June 04	
2 0 2	FULL NAME OF INVENTOR	LAST NAME HURTER	FIRST NAME Jonas	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Baden	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Switzerland	
	POST OFFICE ADDRESS	STREET Ursusstrasse 7	CITY Baden	STATE OR COUNTRY Switzerland	ZIP CODE CH-5400
	SIGNATURE OF INVENTOR 202 			DATE 1. June 04	
2 0 3	FULL NAME OF INVENTOR	LAST NAME MARMILIC	FIRST NAME Robert	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Nussbaumen	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Croatia	
	POST OFFICE ADDRESS	STREET Kirchweg 55	CITY Nussbaumen	STATE OR COUNTRY Switzerland	ZIP CODE CH-5415
	SIGNATURE OF INVENTOR 203 			DATE 	
2 0 4	FULL NAME OF INVENTOR	LAST NAME MEYLAN	FIRST NAME Pierre	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Magglingen-Macolin	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Switzerland	
	POST OFFICE ADDRESS	STREET Hauptstrasse 203	CITY Magglingen-Macolin	STATE OR COUNTRY Switzerland	ZIP CODE CH-2532
	SIGNATURE OF INVENTOR 204 			DATE 2nd of June 04	
2 0 5	FULL NAME OF INVENTOR	LAST NAME PAULI	FIRST NAME Ernst	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Zürich	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	STREET Restelbergstrasse 103	CITY Zürich	STATE OR COUNTRY Switzerland	ZIP CODE CH-8044
	SIGNATURE OF INVENTOR 205 			DATE 2nd of June 04	



## DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION\*

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I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**TURBOMACHINE**

and for which a patent application:

[X] was filed on April 23, 2004, Application No. 10/830,103

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above

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APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
CH 1990/01	Switzerland	30 October 2001	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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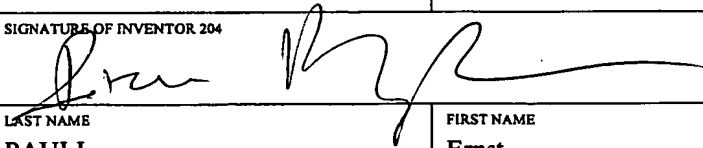
PROVISIONAL APPLICATION NUMBER	FILING DATE

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NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
PCT/IB02/04289	17 October 2002		X	

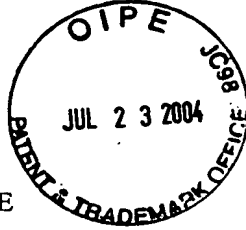
\* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME DITTMANN	FIRST NAME Rolf	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Nussbaumen	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	STREET Landstrasse 117	CITY Nussbaumen	STATE OR COUNTRY Switzerland	ZIP CODE CH-5415
	SIGNATURE OF INVENTOR 201			DATE	
2 0 2	FULL NAME OF INVENTOR	LAST NAME HURTER	FIRST NAME Jonas	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Baden	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Switzerland	
	POST OFFICE ADDRESS	STREET Ursusstrasse 7	CITY Baden	STATE OR COUNTRY Switzerland	ZIP CODE CH-5400
	SIGNATURE OF INVENTOR 202			DATE	
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	RESIDENCE & CITIZENSHIP	CITY Nussbaumen	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Croatia	
	POST OFFICE ADDRESS	STREET Kirchweg 55	CITY Nussbaumen	STATE OR COUNTRY Switzerland	ZIP CODE CH-5415
	SIGNATURE OF INVENTOR 203			DATE	
2 0 4	FULL NAME OF INVENTOR	LAST NAME MEYLAN	FIRST NAME Pierre	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Magglingen-Macolin	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Switzerland	
	POST OFFICE ADDRESS	STREET Hauptstrasse 203	CITY Magglingen-Macolin	STATE OR COUNTRY Switzerland	ZIP CODE CH-2532
	SIGNATURE OF INVENTOR 204 			DATE MAY, 24, 2004	
2 0 5	FULL NAME OF INVENTOR	LAST NAME PAULI	FIRST NAME Ernst	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Zürich	STATE OR FOREIGN COUNTRY Switzerland	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	STREET Restelbergstrasse 103	CITY Zürich	STATE OR COUNTRY Switzerland	ZIP CODE CH-8044
	SIGNATURE OF INVENTOR 205			DATE	

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rolf DITTMANN *et al.* Confirmation No.: Unassigned  
 Serial No.: 10/830,103 Art Unit: Unassigned  
 Filed: April 23, 2004 Examiner: Unassigned  
 For: TURBOMACHINE Attorney Docket No.: 61277-60016



**POWER OF ATTORNEY BY ASSIGNEE  
 AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71  
 WITH STATEMENT UNDER C.F.R. 3.73(b)**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints David R. Yohannan (Reg. No. 37480), Christopher M. Tobin (Reg. No. 40290), John N. Coulby (Reg. No. 43565), Mark W. Rygiel (Reg. No. 45871), Seth A. Watkins (Reg. No. 47169), and Gregory M. Murphy (Reg. No. 52494), all of Collier Shannon Scott, PLLC, whose addresses are 3050 K Street, NW, Suite 400, Washington, DC 20007 (PTO Customer No. 25243), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Collier Shannon Scott, PLLC as partner, counsel, associate, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Please direct all correspondence for this application to customer no. 25243.

**Statement Under 37 C.F.R. 3.73(b)**

**ALSTOM Technology Ltd** states that it is the assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. The assignment is submitted concurrently herewith for recording. A copy of the assignment is attached hereto.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

**ASSIGNEE: ALSTOM Technology Ltd**

Date: 03.06.2004

Signature: \_\_\_\_\_

Typed Name:

Rolf Dittmann

Position/Title:

Authorized Representative

Address:

Brown Boveri Str. 7/699/5

CH-5401 Baden

Switzerland

## ASSIGNMENT

WHEREAS, We,

**Rolf DITTMANN**, a citizen of Germany with an address at Landstrasse 117, CH-5415 Nussbaumen, Switzerland, **Jonas HURTER**, a citizen of Switzerland with an address at Ursusstrasse 7, CH-5400 Baden, Switzerland, **Robert MARMILIC**, a citizen of Croatia with an address at Kirchweg 55, CH-5415 Nussbaumen, Switzerland, **Pierre MEYLAN**, a citizen of Switzerland with an address at Hauptstrasse 203, CH-2532 Magglingen-Macolin, Switzerland, and **Ernst PAULI**, a citizen of Germany with an address at Restelbergstrasse 103, CH-8044 Zürich, Switzerland, **ASSIGNORS**, are the inventors of the invention in **TURBOMACHINE** for which we have executed an application for a Patent of the United States

- ☒ which is executed on even date herewith
- ☒ which is identified by Collier Shannon Scott, PLLC docket no. 61277-60016
- ☒ which was filed in the United States on April 23, 2004 as application no. 10/830,103.

WHEREAS, **ALSTOM Technology Ltd**, a company of Switzerland having a place of business at Brown Boveri Strasse 7, CH-5400 Baden, Switzerland, **ASSIGNEE**, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said **ASSIGNORS**, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **ASSIGNEE**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof;


AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, to issue the same to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to the said **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **ASSIGNEE**, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention.

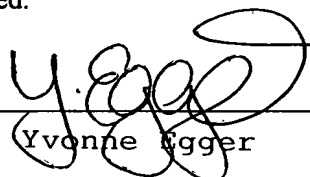
IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

X 03.06.2004  
Date

X   
Rolf DITTMANN

On this 03 day of June, 2004, before me appeared **Rolf DITTMANN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

03.06.2004  
Date

  
Witness Yvonne Egger

X 1. June 04  
Date

X f. Hurter  
Jonas HURTER

On this 01 day of June, 2004, before me appeared Jonas HURTER, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

01.06.2004  
Date

Y Egger  
Witness Yvonne Egger

X 2nd of June 2004  
Date

X Robert Marmilic  
Robert MARMILIC

On this 02 day of June, 2004, before me appeared Robert MARMILIC, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

02.06.2004  
Date

Y Egger  
Witness Yvonne Egger

\_\_\_\_\_  
Date

\_\_\_\_\_  
Pierre MEYLAN

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared Pierre MEYLAN, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

X 2nd of June 04  
Date

X Ernst Pauli  
Ernst PAULI

On this 02 day of June, 2004, before me appeared Ernst PAULI, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

02.06.2004  
Date

Y Egger  
Witness Yvonne Egger

# ASSIGNMENT

WHEREAS, We,

**Rolf DITTMANN**, a citizen of Germany with an address at Landstrasse 117, CH-5415 Nussbaumen, Switzerland, **Jonas HURTER**, a citizen of Switzerland with an address at Ursusstrasse 7, CH-5400 Baden, Switzerland, **Robert MARMILIC**, a citizen of Croatia with an address at Kirchweg 55, CH-5415 Nussbaumen, Switzerland, **Pierre MEYLAN**, a citizen of Switzerland with an address at Hauptstrasse 203, CH-2532 Magglingen-Macolin, Switzerland, and **Ernst PAULI**, a citizen of Germany with an address at Restelbergstrasse 103, CH-8044 Zürich, Switzerland, ASSIGNORS, are the inventors of the invention in **TURBOMACHINE** for which we have executed an application for a Patent of the United States

- ☒ which is executed on even date herewith
- ☒ which is identified by Collier Shannon Scott, PLLC docket no. 61277-60016
- ☒ which was filed in the United States on April 23, 2004 as application no. 10/830,103.

WHEREAS, **ALSTOM Technology Ltd**, a company of Switzerland having a place of business at Brown Boveri Strasse 7, CH-5400 Baden, Switzerland, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

\_\_\_\_\_  
Date

\_\_\_\_\_  
**Rolf DITTMANN**

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared **Rolf DITTMANN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness



Date

Jonas HURTER

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared Jonas HURTER, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

Witness

Date

Robert MARMILIC

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared Robert MARMILIC, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

Witness

MAY, 24, 2004

Date

  
 Pierre MEYLAN

On this 24 day of May, 2004, before me appeared Pierre MEYLAN, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

24.05.2004

Date

  
 Witness Yvonne Egger

Date

Ernst PAULI

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me appeared Ernst PAULI, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his free act and deed.

Date

Witness